

**CONTRACT CHANGE ORDER**

Change Requested by: Engineer

CCO: 242 Suppl. No. 0 Contract No. 04 - 0120F4 Road SF-80-13.2/13.9 FED. AID LOC.:

To: **AMERICAN BRIDGE/FLUOR ENTERPRISES INC A JOINT VENTURE**

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract.

**NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

**Extra Work at Force Account:**

Paint the galvanized traveler air system pipes, miscellaneous galvanized metal parts including mounting brackets, pipe clamps, mounting struts, bird screening, and navigation light mounts, and other locations as directed by the Engineer. The pipe and interior of the control panels above the bird screen, operating parts of valves, the open ends of couplings, and exhaust valves shall not be painted.

Painting shall be in accordance with Special Provisions Section 10-1.69 "Clean and Paint Structural Steel," and the following: Galvanized surfaces on the travelers to be painted, shall be painted in accordance with the following procedure:

1. All galvanized surfaces to be painted shall be steam cleaned in accordance with Caltrans Standard Specifications, section 59-3.
2. After steam cleaning, all galvanized areas shall be prepared by means of one of the following methods:
  - a. Roughened by abrasive blasting using an abrasive that is no larger than 600 µm.
  - b. Roughened by hand sanding all surfaces with 120 to 150 grit sandpaper.
  - c. As per Sherwin Williams recommendation use a phosphoric acid based cleanser: Great Lakes: Clean and Etch.
    - i. Apply a solution of copper sulfate and water can be rubbed on to the surface with a cloth soaked in the solution. Per SSPC-SP16, 4.3.3, the applied solution will immediately turn black from blue when in contact with galvanized metal. Provided there is no color change, the conversion or temporary protective layers have not been removed and further cleaning or abrading is required.
3. After surface preparation is complete, apply Sherwin Williams Macropoxy 646 or Macropoxy 646-100 to galvanized surfaces at a dry film thickness of 3 - 5 mils or as approved by the Engineer.
4. Apply Polysiloxane XLE to a DFT of 4.0 - 7.0 mils or as approved by the Engineer.

The above procedure is to be included in an addendum to the approved PQWP.

Labor, equipment and material authorized by the Engineer, as necessary, will be paid in accordance with the provisions of Section 4-1.03D, "Extra Work" of the Standard Specifications and Section 5-1.24, "Force Account Payment" of the Special Provisions.

Estimated Cost of Extra Work at Force Account.....\$300,000.00

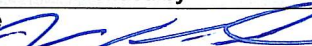
Estimated Cost: Increase ☒ Decrease ☐ \$300,000.00

By reason of this order the time of completion will be adjusted as follows: 0 Days

Submitted by

Signature  Resident Engineer Darryl Schram, Senior T.E. Date 6/1/12

Approval Recommended by

Signature  Supervising Transportation Engineer William Casey, Supervising T.E. Date 6/4/12


Engineer Approval by

Signature  Supervising Transportation Engineer William Casey, Supervising T.E. Date 6/12/12

We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

**NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.**

Contractor Acceptance by

Signature  (Print name and title) **BRIAN A. PETERSEN - PROJECT DIRECTOR** Date **11 JUN 12**